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Model #: SMART3000CRMXL

SmartPro Compact Rackmount UPS System - Precision Protection for Network / Telecom Wiring Closets and Reduced Depth Installations

Highlights



- 3000VA / 3kVA line interactive 4U rack / tower UPS with reduced mounting depth and high power factor 2880w (with plug) or 3600W (hardwire) capacity
- Maintains sine-wave 120V nominal output over an input range of 83 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Expandable runtime with optional external battery packs
- Input: NEMA L5-30P or hardwire (120V 30A) / Output: 8 NEMA 5-15/20R, 1 L5-30R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Description

Tripp Lites SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures. Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations. Runtime is expandable with optional BP48V48RT4U and BP48V24-2U reduced-depth external battery packs.

SMART3000CRMXL 4U rackmount 3000VA UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations. Supports 3000VA/2880 watts when powered via included L5-30P input plug. Supports up to 3600VA/3600 watts when hardwired to a 120V 30A input source. Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V. Includes NEMA L5-30P input plug (or hardwire input), L5-30R and 5-15/20R output receptacles. Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection. Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software with USB and serial cables. Emergency Power Off (EPO) interface. Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 2-post rackmount accessories included; 2-9U STAND tower stands and UPSRMR11 4 post rackmount kit available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme. 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available.

Applications

Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations

Package Includes

- SmartPro Compact 4U Rackmount UPS system
- 2 post rackmount installation brackets
- USB and Serial Cabling
- Owner's manual with warranty information

Features

- Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures
- Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations
- Runtime is expandable with optional BP48V48RT4U and BP48V24-2U reduced-depth external battery packs
- SMART3000CRMXL 4U rackmount 3000VA/2880 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations
- Supports loading up to 3600 watts when hardwired
- Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V
- Includes NEMA L5-30P input plug (hardwire line cord installation supported), L5-30R and 5-15/20R output receptacles
- Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional SNMP/Web management accessory card slot
- Optional SNMPWEBCARD offers remote management and control of the UPS via direct network connection
- Additional ENVIROSENSE accessory, when used in conjunction with SNMPWEBCARD reports temperature, humidity and status of up to two directly connected contact closure sensors
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- 97% efficiency in line power mode offers substantially lower operating costs than lower efficiency UPS types
- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once
- Includes PowerAlert monitoring software with USB and serial cables
- Emergency Power Off (EPO) interface
- Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices
- 3-stage metered current monitoring and battery charge status LEDs; Utility power and voltage regulation LEDs; Audible alarm; Self-test
- 2-post rackmount accessories included; 2-9USTAND tower stands and UPSRMR11 4 post rackmount kit available
- Field-replaceable, hot-swappable internal batteries and external battery packs
- Attractive all-black color scheme
- 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 volts
Frequency compatibility	60Hz
OUTPUT	
Output VA	3000
Output watts	2880 watts with L5-30P input line cord / 3600 watts hardwired with no external battery packs connected
Output nominal voltage	120V
Output voltage regulation	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%
Outlet quantity / type	9 outlets (1 L5-30R / 8 5-15/20R)

Customized load management receptacles	3 individually controllable single outlet 5-15/20R load banks
Overload protection	Via 40A input circuit breaker
INPUT	
Maximum input amps	24A with L5-30P input / 30A hardwired
Input connection type	L5-30P (back panel terminal block enables hardwire input (see manual))
Input cord length	10 ft.
Recommended Electrical Service	120V 30A
BATTERY	
Full load runtime	With L5-30P plug - 7.5 minutes (2880 watts) / With hardwire input - 5 minutes (3600 watts)
Half load runtime	With L5-30P plug - 19 minutes (1440 watts) / With hardwire input - 13 minutes (1800 watts)
DC system voltage	48VDC
Replacement Battery Cartridge	RBC54 (qty 2)
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction	Input voltages between 127 and 145V AC are reduced by 12%
Brownout correction	Input voltages between 96 and 108V AC are boosted by 12%
Severe brownout correction	120V only: Input voltages between 83 and 95 are boosted by 24%
LEDS ALARMS & SWITCHES	
Front panel LEDs	5 front panel LEDs - Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LEVEL LED, red BATTERY WARNING LED.
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions. Back panel includes battery charge level switch for internal or external battery configurations
SURGE / NOISE SUPPRESSION	
AC surge suppression	570 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	124
Shipping weight (kg)	56.3
Shipping Dimensions (HWD/in)	13.2 x 23.6 x 22.8
Shipping Dimensions (HWD/cm)	33.5 x 59.9 x 57.9
Unit weight (lbs)	102
Unit weight (kg)	46.3

Unit Dimensions (HWD/in)	7 x 17.3 x 16.8
Unit Dimensions (HWD/cm)	17.8 x 43.9 x 42.7
Material of construction	Steel
Form factors supported	Rack (4U)
Cooling method	Fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0-95%, non-condensing
Operating Temperature	32-104 F / 0-40 C
Line mode BTU/hr. (Max.)	539
COMMUNICATIONS	
Network monitoring port	Includes USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
Software and cabling included	Yes, includes PowerAlert software CD-ROM and complete cabling
SNMP compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	5 ms. (typical)
Low voltage transfer to battery power	Switches to battery power as line voltage drops to 83V or less. Switches back to line power mode as line voltage recovers to 87V or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145V or higher. Switches back to line power mode as line voltage recovers to 141V or lower.
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black rackmount housing, optional use 2U black front bezel included to enable black color appearance
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	Compatible with BP48V24-2U (limit 1), BP48V48RT4U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), NOM (Mexico), Class A (Emissions)
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	2-year warranty and \$250,000 connected equipment insurance

Related Items

External Battery Packs

BP48V24-2U	BP48V242U - External Battery Pack for UPS System - LIMIT 1	Qty: [optional]
BP48V48RT4U	Shallow-Depth External Battery Pack For UPS Systems	Qty: [optional]

Power Distribution		
PDU2430	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDUMH30NET	Switched, Metered PDU with Remote Monitoring - 2U Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control	Qty: [optional]
PDUMV30	Metered 0U Vertical Rack PDU - Metered Power Distribution Unit for Network Applications	Qty: [optional]
PDUMV30NET	Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control	Qty: [optional]

Rackmount/Wallmount Kits		
4POSTRAILKIT	Supports UPS systems in 4-post rackmount applications.	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]

Start-Up/Warranty Services		
WEXT3-2200-3000	3-Year Extended Warranty - 1-year extension of standard 2-year warranty	Qty: [optional]
WEXT5-2200-3000	5-Year Extended Warranty - 3-year extension of standard 2-year warranty	Qty: [optional]

Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3824.